

Determination of Chemical Elements in Nuclear
Photographic Emulsions, by M. F. Radicheva, 3 pp.

RUSSIAN, per, Zhuk Nauch i Prikl Fotograf i Kinematograf,
Vol V, No 2, 1960, pp 144-.

CIA/FDD XX-903
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

NLL M. 227 -

Nov 60

USIB INTERNAL USE ONLY

Lead-Silver Salt Nuclear Emissions, by N. R.
Novikova, 2 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinematograf,
Vol V, No 2, 1960, pp 145-146.

CIA/IDD XX-970

Sci - Physics
Mar 64

NO FORN

Istomin, G. A.
CONTRAST FUNCTION OF AN ABERRATIONLESS
LENS AND THE PROPERTIES OF THE REAL LENS-
LIGHT SENSITIVE EMULSION SYSTEM. [1961] 3p.
5 refs.
Order from OTS or SLA \$1.10 61-10324

Trans. of Zhurnal Nauchnoy i Prikladnoy Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 2, p. 146-147.

DESCRIPTORS: *Lenses, Optics, *Photographic
emulsions, Light, Scattering, Mathematical analysis.

(Physics--Optics, TT, v. 6, no. 1)

61-10324

I. Istomin, G. A.

161586

Office of Technical Services

Fourier Integral Used for Investigating the Optical
and Photographic Image Properties, Part II,
by A. T. Ashcheyulov.

RUSSIAN, per, Zhur Prik Fotografii i Kinematografii,
Vol V, No 2, 1960, pp 148-157.

NLL M. 3077

Sci - Phys

Feb 62

186,738

International Standardization of Sensitometric
by I. A. Chernyy, 4 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i
Kinematografii, Vol V, No 2, 1960, pp 158, 159.

SIA 60-18867

Sci

Apr 61

NLL 01.2414

146095

Fluctuations in the Density of Charged Particle
Tracks in Nuclear Emulsions, by E. S. Bogomolov,

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i
Kinematog, Vol V, No 2, 1960, pp 168-172.

CIA FDD IX-1014

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Nuc Phys

Jun 61

USIB IX INTERNAL USE ONLY

153, P23

Polarization Absorption Spectra of Some Cyanine
Sensitizing Dyes, by K. S. Lyalikov, I. V.
Semenchenko, 11 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotog i Kinematog,
Vol V, No 3, 1960, pp 161-167.

CIA/FID IX-1099

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Jan 62

USIB INTERNAL USE ONLY

178, 440

CEA-tr-R-1342 Uncl.

FLUCTUATIONS DE LA COMPACITÉ DES TRACE
PRODUITES PAR DES PARTICULES CHARGÉES DANS LES
ÉMULSIONS NUCLÉAIRES. (Variations in the
Compactness of Product Tracks from Charged
Particles in Nuclear Emulsions). K. S.
Bogomolov. Translated into French from Zhur.
Nauch. i Priklad. Fot. i Kinematografii 5: No.3,
168-72(1960). 17p. 9093547

Instrumentation; Particle Physics; Translations
MC-37

C-37 NP NSA Dep.(mc).
N-3

61-20071

Sheberstov, V. I.
INVESTIGATION OF THE THERMAL RELATION-
SHIPS OF PHOTOGRAPHIC DEVELOPMENT. V. SOME
METHODICAL PROBLEMS OF DETERMINATION OF
THE DEVELOPMENT ACTIVATION ENERGY OF
PHOTOGRAPHIC EMULSIONS. [1961] 15p. 15 refs.
Order from OTS or SLA \$1.60 61-20071

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 173-182.

DESCRIPTORS: *Photographic emulsions, Chemical
reactions, Molecules, Silver compounds, Halides, Dif-
fusion, Particles, Oxidation, Reduction.

(See also 61-18311)

(Materials--Photographic, TT, v. 7, no. 7)

I. Sheberstov, V. I.
II. Title: Some ...

Office of Technical Services

Preventing Color Distortions During Internal Masking
in Multilayer Color Films, by Yu. B. Vilenskiy,
Chen' Kaun-Min, L. F. Patrikeyeva, 5 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematog, Vol V, No 3, 1960, pp 183-186.

CIA/FID XX-1051

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Sep 61

USIB INTERNAL USE ONLY

FILE NO. 1051

OTS-61-20070
01(63-16713)

167,003

Vicek, B. and Vickova, S.
DIFFUSION OF SENSITIZING DYES IN GELATIN.
[1961] 10p. 7 refs.
Order from SLA \$1.10

61-20062

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 187-194
(original article in Czechoslovakian).

DESCRIPTORS: *Gelatin, *Dyes, Diffusion,
Sensitivity, Silver compounds, Bromides, Adsorption.

A simple method is presented for measuring the diffusion of sensitizing dyes in gelatin. It is confirmed that the Fick diffusion law is fulfilled in the case of twelve sensitizing dyes. Therefore, substantial differences were established for coefficients of diffusion. The effect of surface-active agents and couplers on the diffusion of sensitizing dyes and the relationship (Chemistry--Physical, TT, v. 7, no. 1) (over)

61-20062

I. Vicek, B.
II. Vickova, S.

1961 10. 40

Office of Technical Services

Golovin, B. M., Zheludev, I. S. and others.
ELECTROPHOTOGRAPHY OF PROTON BEAMS. [1961]
3p. 2 refs.
Order from OTS or SLA \$1.10 61-18672

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 207-208.

DESCRIPTORS: *Electrophotography, *Proton beams,
Photographic emulsions, Intensity, Collimators,
Optical images, Zinc compounds, Oxides.

The speed of various electrophotographic emulsions
relative to fast protons was investigated. Electro-
photographic images are shown of a proton beam ob-
tained on a ZnO layer at various degrees of divergence
of the beam axis from the collimator.

(Nuclear Physics and Nuclear Chemistry, TT, v. 6, no. 9)

61-18672

I. Golovin, B. M.
II. Zheludev, I. S.

NLE 185468

185468

Office of Technical Services

Novikov, I. A. and Teyrlina, B. B.
CHANGES IN THE PHOTOGRAPHIC PROPERTIES AND
RESOLVING POWER OF VERY FINELY DISPERSED
EMULSIONS DURING FINISHING. [1961] 3p. 6 refs.
Order from OTS or SLA \$1.10 61-20227

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 218-219.

DESCRIPTORS: "Photographic emulsions, Photographic
equipment, Silver compounds, Halides, Photographic
chemicals.

(Materials--Photographic, TT, v. 7, no. 8)

61-20227

I. Novikov, I. A.
II. Teyrlina, B. B.

201431

Office of Technical Services

Relationship Between the Speed and the Photoelectric
Sensitivity of a Photographic Emulsion, by L. G.
Gross, 3 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinematog.,
Vol V, No 3, 1960, pp 219-220.

CIA/FDD XX-1026

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jul 61

USIB INTERNAL USE ONLY

161, 014

The Composition of K, Ya-2, and T-3 Nuclear
Emulsions by Elements, by M. P. Rodicheva,

RUSSIAN, per, Zhur. Nauch. i Prikl. Fotograf. i
Kinematog, Vol V, No 3, 1960, p 221.

CIA REF KK-1015

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Nuc Phys

Jun 61

USIB INTERNAL USE ONLY

153, 822

61-18673

Kartuzhanskii, A. L.
QUANTITATIVE ESTIMATE OF THE CHARACTER-
ISTICS OF THE LATENT IMAGE FORMED BY ION-
IZING PARTICLES. [1961] 3p. 3 refs.
Order from OTS or SLA \$1.10

61-18673

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 221-223.

DESCRIPTORS: Electron diffraction analysis, *Photo-
graphic emulsions, *Beta particles, Infrared images,
Optical images, Temperature, Ions, Ionization.

The relationship between the reciprocity effect and
temperature, which is of special importance for the
fading process, was investigated. Results showed that
the activation energy determined in the case of the ef-
fect of ionizing particles by the isodensity curves, can
be used as a measure of dispersion of the latent image.
(Materials--Photographic, TT, v. 6, no. 10)

I. Kartuzhanskii, A. L.

Office of Technical Services

Graininess of the Photographic Image. I., by V. Romanov
12 pp.

RUSSIAN, per, Zhurn. Nauch. i Prikl. Fotog. i Kinematog.
Vol V, No 3, 1960, pp 225-230.

CIA/FDD XX-1084

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Nov 61

USIB INTERNAL USE ONLY

International Colloquium on the Science of Photography,
by K. V. Chibisov, 8 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinematog,
Vol V, No 3, 1960, pp 234-238.

CIA/FID XX-1021

NOT RELEASABLE TO FOREIGN NATIONALS

CTS 61-18369

Sci - Phys

Jul 61

161,010

USIB INTERNAL USE ONLY

Effect of the Developer Concentration on the Rapid Development Process II. Investigation of the Hydroquinone Developer, by V. A. Veydenbakh, P. I. Levina, 9 pp.

RUSSIAN, per, Zhur Nauch Priklad Fotograf i Kinemat, Vol. V, No 4, 1960, pp 241-246.

CIA/FID XX-1169

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

NLL 111.4848 198,438

May 62

NLL 118970

USIB INTERNAL USE ONLY

Some Factors Affecting the Halation and Resolving
Power of Photographic Materials, by I. A. Novikov,
11 pp.

RUSSIAN, per. Zhur Nauch i Prikl Fotografii i
Kinematog, Vol V, No 4, 1960, pp 247-254.

CIA/FED XX-1083

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

173.407

Nov 61

OTS 61-20069

USIS INTERNAL USE ONLY

Uspenski, A. N.
RDT-1 RECORDING DENSITOMETER FOR COLOR
AND BLACK-AND-WHITE PHOTOGRAPHIC PAPERS.
[1962] 11p. 2 refs.
Order from OTS or SLA \$1.60

62-10978

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 4, p. 255-261.

DESCRIPTORS: *Density sensitive indicators, *Photo-
graphic paper, Color photography, Test equipment.

NLL M 8968

(Materials--Photographic, TT, v. 8, no. 5)

62-10978

I. Uspenski, A. N.

Office of Technical Services

(10-62/1)

Photography of Luminescence in Reproduction
Techniques, by N. M. Zhuskin, 12 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i
Kinematog. Vol V, No 4, Jul/Aug 1960,
pp 274-279.

JPRS 8876

Sci - Phys
Nov 61

173,905

Reversing the Desensitizing Effect of Moisture
on Photographic Emulsions, by K. L. Vendrovskiy,
V. I. Sheberstov.

1.

RUSSIAN, per, ~~Zhur Nauch/Prik Fotog i Kinematog~~,
Vol V, No 4, 1960, pp 295-296.

REF. M.4500

Sci - Phys

May 62

193,741

Mechanism of Aging of Infrared Emulsions, by
A. S. Rheinsman.

RUSSIAN, per, Zhur Nauch i Prikl Fotog Kineematog,
Vol V, No 4, 1960, pp 297-298.

ILL M 8967

Sci & Phys
Apr 63

63-16714

Zimkin, E. A.
REMARKS IN CONNECTION WITH THE ARTICLE OF
A. L. KARPOVA CONCERNING THE PHYSICO-
CHEMICAL METHOD OF ANALYSIS OF THE ACTIVE
ADMIXTURES OF GELATINE (SCIENTIFIC DISCUS-
SION). [1963] 9p. 12 refs.
Order from OTS or SLA \$1.10

63-16714

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 4, p. 299-301.

DESCRIPTORS: *Gelatin, *Photographic emulsions,
Electrodialysis, Adsorption spectrum, Sodium com-
pounds, Thiosulfates, Thiourea, Sulfides, Silver com-
pounds, Dioxides, Sulfites, Nitrates, Dichromates.

(Materials--Photographic, TT, v. 10, no. 9)

I. Zimkin, E. A.
II. Karpova, A. L.

Office of Technical Services

Application of Bouguer Law to the Absorption of Light
by Silver Bromide Crystals, by S. G. Grenishin, L. S.
Nikolayevskiy, 6 pp.

RUSSIAN, per, Zhur Nauch Priklad Fotograf i Kinemat,
Vol. V, No 5, 1960, pp 327-330.

CIA/PDD XX-1170
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198,439

May 62

USIS INTERNAL USE ONLY

Investigation of Thermal Relationships of Photographic Development, by V. I. Sheberstov, M. S. Borodkina, V. P. Donstova, VI. Reduction of Silver Bromide Sols and Silver Salts of Benzotriazole and 5-methyl-7-hydroxy-2,3,4-triazaindolizine, 5 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinematog, Vol V, No 5, 1960, pp 331-333.

CIA/FID XX-1031

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jul 61

USIB INTERNAL USE ONLY

161, 018

Effect of Developer Concentration on Fast Development, Part 3. Investigation of Various Developers, by P. I. Levina, V. A. Veidenbakh, 8 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotog i Kinerstog, Vol V, No 5, 1960, pp 334-342.

CIA/FDD XX-1086

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Nov 61

USIB INTERNAL USE ONLY

173,405
ATC/RJ-2970

Reproduction of Continuous Traces in Electro-
photography, by Yu. A. Zibuts, L. I. Ryunko.

RUSSIAN, per, Zhur Nanch i Prik Fotografii i
Kineematografii, Vol V, No 5, 1960, pp 352-355.

NIL N 8p64

Sci - Phys
May 63

Transformations of Impurity Centers At Accelerated
Aging of Photographic Emulsions, by R. A. Levitskaya,
Zh. L. Broun, 2 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinematog,
Vol V, No 5, 1960, pp 361-363.

CIA/FDD XX-1191

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

NLL M 3965

Jun 62

USIB INTERNAL USE ONLY

Silver Chlorobromide Photographic Emulsions
With Grains Having a Laminated Structure, by
Yu. M. Prokhot'skiy, Yu. B. Vilen'skiy.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf
Kinematog, Vol V, No 5, 1960, pp 363-364.

NLL M 8969

Sci - Phys
Apr 63

. 26,857

THE GRAININESS OF THE PHOTOGRAPHIC IMAGE, PART II.
APPLICATION OF THE THEORY OF STATIONARY FUNCTIONS TO
GRAININESS PROBLEMS, BY V. ROMER, 34 PP.

RUSSIAN, PER, ZHUR NAUCH I PRIK FOTOGRAF I KINEMATOG,
VOL V, NO 5, 1960, PP 380-395.

CIA/FDD XX-LL98
NOT RELEASABLE TO FOREIGN NATIONALS

SCI

JUN 62

USIB INTERNAL USE ONLY

201,510

The Action Mechanism of Tanning Agents on Photographic Emulsions, by V. L. Zelikhman, 5 pp.

RUSSIAN, per, Zhur Nauch i Priklad Fotograf i Kinemat
Vol V, No 6, 1960, pp 403-405.

CIA/FID XX-1167

NOT RELEASABLE TO FOREIGN NATIONALS

Sci1

198, 4/44

May 62

USIB INTERNAL USE ONLY

Uspekskii, A. N.

ADDITIVE COPIER AKP-2 FOR CONTACT PRINT-
ING OF AERIAL COLOR PHOTOGRAPHS. [1961] 6p.
Order from ATS \$10.35 ATS-15N56R

Trans. of Zhur[nai] Nauch[noi] i Priklad[noi]
Fotografii i Kinematografii (USSR) 1960, v. 5, no. 6,
p. 413-418.

DESCRIPTORS: *Aerial photographs, Printing, Color
photography.

ATS-83-2132

(Materials--Photographic, TT, v. 7, no. 6)

62-12156

- I. Title: Copier AKP-2
- I. Uspekskii, A. N.
- II. ATS-15N56R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

The Effect of the Change of Properties and Increase
of the Concentration of Non-Diffusing Color Com-
ponents in the Photographic Layer on the Color
Development Speed, E-793, by V. I. Uspenskiy, E. I.
Rodionova, 8 pp.

RUSSIAN, per, Zhur Nauch Prik Fotograf Kinematog,
Vol V, No 6, 1960, pp 419-423.

CIA/PDD XX-1102

NOT RELEASABLE TO FOREIGN NATIONALS

Eci - Phys

Jan 62

178, 443

UNITED INTERNAL USE ONLY

Spectral Sensitivity of Electrophotographic Layers, by
S. G. Gerasimov, Yu. A. Cherkasov, 8 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinematog,
Vol V, No 6, 1960, pp 433-438.

CIA/PDD XX-1025

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

SLA 61-233

Jul 61.

USIB INTERNAL USE ONLY

161,012

Photochemical Activity of Polymethine Dyes in
Mono- and ~~poly~~ Polymolecular States, by
S. V. Matanson, E. F. Klimov.

RUSSIAN, per, Zhur Nauch Prik Fotograf i
Kinematogr ~~XXXXX~~ Vol V, No 2, 1960, pp 452-453.
6

NIL M. 4685

Sci. - Phys
Jun 62

201, 011

THE GRAININESS OF THE PHOTOGRAPHIC IMAGE, PART III.
REVIEW OF EXPERIMENTAL WORK, BY V. ROMER, 27 PP.

RUSSIAN, PER, ZHUR NAUCH I PRIK FOTOGRAF I KINEMATOG,
~~XXXXXX~~ VOL V, NO 6, 1960, PP 463-472.

CIA/FDD XX-LL98
NOT RELEASABLE FOR FOREIGN NATIONALS

SCI

JUN 62

USIB INTERNAL USE ONLY

201,511

62-12986

Strel'nikova, A. P., Levkoev, I. I., and Kirillov, N. I.
INVESTIGATION OF THE FORMATION OF DYES IN
BLACK-AND-WHITE DEVELOPMENT OF COLOR
FILMS. 1961, 7p.

Order from CTT 514.00

CTT-61K116

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1961, v. 6, no. 1, p. 6-13.

DESCRIPTORS: *Color film, Processing, *Dyes,
Photography.

(Materials--Photographic, TT, v. 8, no. 1)

- I. Strel'nikova, A. P.
- II. Levkoev, I. I.
- III. Kirillov, N. I.
- IV. CTT-61K116
- V. Columbia Technical Trans-
lations, White Plains, N.Y.

Office of Technical Services

Hypersensitization of Infrachromatic Plates, by I. I. Brezhe, A. A. Markalova, 13 pp.

RUSSIAN, per, Zhur ~~From~~ ~~Travels~~ ~~Photographs~~ ~~in~~ ~~Kashan~~,
Vol VI, No 1, 1961, pp 19-26.

CIA/PID XX-1168
NOT RELEASABLE TO FOREIGN NATIONALS

801

198,445

May 62

UNCLAS INTERNAL USE ONLY

62-12980

Levi, S. M. and Smirnov, O. K.
ANTICOMET ACTION AND STRUCTURE OF WET-
TING AGENTS. 1961, 3p.
Order from CTT \$6.00 CTT-61K115

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1961, v. 6, no. 1, p. 34-38.

DESCRIPTORS: *Wetting agents, Chemical reactions,
Molecular structure

(Materials--Photographic, TT, v. 8, no. 1)

- I. Levi, S. M.
- II. Smirnov, O. K.
- III. CTT-61K115
- IV. Columbia Technical Trans-
lations, White Plains, N. Y.

Office of Technical Services

Kinetics of the Fixing Process With Photographic
Materials, by I. B. Zlyumberg, V. G. Ivanova, 22 pp.

RUSSIAN, per, Zhur Nauch Priklad Fotograf i Kinetat.
Vol VI, No 1, 1961, pp 39-49.

CIA/FDD XX-1166
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198,443

May 62

USIB INTERNAL USE ONLY

On the Character of Sensitization and Absorption
Spectra of Certain Dimethynemercyanines in Emulsions,
by E. B. Lifshits, 6 pp.

RUSSIAN, per, Zhur Nauch Priklad Fotograf i Kinemat,
Vol. VI, No 1, 1961, pp 64-66.

CIA/FDD XX-1165
NOT RELEASABLE TO FOREIGN NATIONALS

Sci.

198, 442

May 62

USIA INTERNAL USE ONLY

THE EFFECTS OF SLOW ELECTRONS ON PHOTOGRAPHIC
EMULSIONS, II. THE CHANGE IN THE RELATION OF THE
DENSITY OF BLACKENING TO THE ELECTRON ENERGY DURING
THE AGING OF X-RAY FILMS, BY V.V. KRYACHKO, 9 PP.

RUSSIAN, PER, ZHUR NAUCH PRIK FOTOGRAF I KINEMATOG.
VOL VI, NO 2, 1961, PP 87-91.

CIA/FDD XX-1156
NOT RELEASABLE TO FOREIGN NATIONALS

SCI

JUN 62

~~201x~~
201,505

USIB INTERNAL USE ONLY

Sensitization Spectra of Dicarboxyanine Dyes, by E. B. Lifshits, S. V. Natanson, 6 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotog i Kinematog, Vol VI, No 2, 1961, pp 92-96.

CIA/FDD XX-1149

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Also ATS-87N53R
\$10.50

May 62

A72/K5-3049

USIB INTERNAL USE ONLY

Investigation of Temperature Relationships in
Photographic Development, by V. I. Shebertsov, 12 p

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kineματο
Vol VI, No 2, 1961, pp 97-101.

CIA/FDD XX-1100
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jan 62

178, 411

USIN INTERNAL USE ONLY

The Preparation of Levelling Developing Solutions,
by S. G. Bogdanov, 15 pp.

RUSSIAN, per, Zhur Nauch Prik Fotog i Kinematog,
Vol VI, No 2, 1961, pp 117-124.

CIA/FDD XX-1096
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jan 62

USIB INTERNAL USE ONLY

178, 407

Peculiarities in the Kinetics of the Color
Development Process, by V. I. Wapenskiy,
N. I. Rodionova.

FOR GOVERNMENT USE ONLY

RUSSIAN, per, Zhurnal Nauchnoy i Prikladnoy
Fotografii i Kinesmatografii, Vol 6, No 2,
March-April 1961, pp 125-129.

ARM/FSTC/HT/23-197-68

Math/Sci

Dec 68

354,783

Theory of Threshold Characteristics of Photographic
Devices, by L. P. Moroz, 15 pp.

RUSSIAN, per, Zhur Nauch Priklad Fotograf Kinemat,
Vol VI, No 2, 1961, pp 130-138.

CIA/FID XX-1164
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

May 62

USIB INTERNAL USE ONLY

198, 449

The Reciprocity-Failure Phenomenon in the
Photographic Action of Gamma Radiation,
by A. L. Kartuzhanskii, 3 pp.

RUSSIAN, per, Zhur Nauch Prik Foto Kine,
Vol VI, No 2, 1961, pp 141-42.

CIA/FDD XX-1373
NO FOREIGN DISSEM

Sci -

Jul 63

USIB Internal Use Only

236,053

Domestic Photographic Papers for Printing
Documents and Texts, by M. I. Shor, 7 pp.
RUSSIAN, per, Zhurnal Nauchnoy i Prikladnoy
Fotografii i Kinematografii, No 2, 1961,
pp. 154-159.
JPRS 37528

USSR
Sci-M/R
Oct 66

312,341

Influence of Desensitizers on the Photoelectrochemical
Effect in Silver Bromide, by K. K. Demidov, E. A.
Pozigun, 6 pp.

RUSSIAN, per, Zhur Nauch Prikl Fotograf i Kinematog,
Vol VI, No 3, 1961, pp 161-163.

CIA/FID XX-1111
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Mar 62

USIB INTERNAL USE ONLY

185, 955

RUSSIAN to FRENCH
CIR 77-622600

Dark Bleaching of Infrachromatic Sensitizers, by
K. S. Iyalykov, Z. L. Petrushkina, 7 pp.

RUSSIAN, per, Zhur Nauch i Priklad Fotograf i Kinemat
Vol. VI, No 3, 1961, pp 178-185.

CIA/PID XI-1162
NOT RELEASABLE TO FOREIGN NATIONALS

Sol

198, 447

May 62

USIB INTERNAL USE ONLY

Photographic Properties of Gelatin Layers Containing
Silver Acetylde, by V. D. Stashonok, V. V. Sviridov,
7 pp.

RUSSIAN, per, Zhur Nauch i Priklad Fotograf i Kinemat,
Vol VI, No 3, 1961, pp 186-192.

CIA/FDD XX-1161

NOT RELEASABLE TO FOREIGN NATIONALS

Sol

198, 446

May 62

USIB INTERNAL USE ONLY

Anfilov, I. V.
INVESTIGATION OF THE KINETICS OF THE
DEVELOPMENT OF THE LATENT XEROGRAPHIC
IMAGE. [1961] 5p.
Order from ATS \$9.10 ATS-46N57R

Trans. of Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii (USSR) 1961, v. 6,
no. 3, p. 220-224.

DESCRIPTORS: *Electrophotography.

(Materials--Photographic, TT, v. 7, no. 6)

62-12392

- I. Anfilov, I. V.
- II. ATS-46N57R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Sensitivity of Extra Fine Grain Emulsions P-9 and PR
to the Visible Spectrum and Their Optical Sensitization
by V. V. Vasil'yev, K. S. Igalkov, N. A. Perfilov,
3 pp.

RUSSIAN, per, Zhurn. Nauch. i Prikl. Fotograf. i Kinematog.
Vol VI, No 3, 1961, pp 227-229.

CIA/FIN) XX-1124

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Mar 62

185,944

USIS INTERNAL USE ONLY

Action of Monochromatic Light on Primary
Centers in Silver Halide, by A. B. Gol'dengerg

RUSSIAN, per. Zhur Nauch Prik Fot Kinemat,
Vol 6 (4), 1961, pp 241-246.k

CIA/FDD XX-1352
No Foreign Dissem

Sci-Phys

Mar 63

USIS Internal Use Only

225,447

OTS TT-62-26372 (RUSSIAN to FRENCH)

Electron-Microscopic Investigation of Emulsification and Ripening Processes of Very Fine-Grain Emulsions, by N. R. Novikova, V. I. Zakharov, 8 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotografii i Kinematografii, Vol VI, No 4, 1961, pp 247-250.

CIA FDD-XX-1336
NO FOREIGN DISSEM

OTS 63-14477

NLL M 10029

Sci - Electron
6 Mar 1963

USIB INTERNAL USE ONLY

223,989

Meiklyar, P. V., Ignat'eva, Z. P. and others.
THE SHAPE OF THE SPECTRAL SENSITIVITY
CURVE OF A PHOTOGRAPHIC LAYER IN THE
BLUE-VIOLET SPECTRAL REGION. [1962] 11p.
Order from ATS \$16.85 ATS-62P59R

Trans. of Zhur[skii] Nauch[ny]i Priklad[ny]
Fot[ografi]i i Kinematografi (USSR) 1961, v. 6,
no. 4, p. 264-273.

DESCRIPTORS: *Photography, *Spectrographic
analysis.

ATS-62P59R

(Materials--Photographic, TT, v. 7, no. 11)

62-12823

- I. Meiklyar, P. V.
- II. Ignat'eva, Z. P.
- III. ATS-62P59R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Zaleski, A.
THE ACCURACY AND PRACTICAL SUITABILITY OF
GRAININESS MEASUREMENTS BY COMPARING IM-
AGES OF GRAIN STRUCTURES. [1962] 14p.
Order from ATS \$19.95 ATS-61P59R

Trans. of Zhur[na] Nauch[no] i Priklad[no]
Fot[ografi] i Kinematografi (USSR) 1961. v. 6, no. 4,
p. 274-285.

DESCRIPTORS: *Photographic emulsions.

(Materials--Photographic, TT, v. 8, no. 3)

62-17199

I. Zaleski, A.
II. ATS-61P59R
III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Gorokhovskii, Yu. N., Levina, V. V., and
Popova, K. B.
TESTING COLOR PHOTOGRAPHIC PAPER WITH A
DYE DIATEST. [1962] Sp.
Order from ATS \$9.90 ATS-60P59R

Trans. of Zhurnal Nauch[noi] i Priklad[noi]
Fotografii i Kineematografii (USSR) 1961, v. 6,
no. 4, p. 289-298.

DESCRIPTORS: *Color photography, *Photographic
paper, Paper, Test methods.

(Materials--Photographic, TT, v. 8, no. 2)

62-17267

- I. Title: Diatest
- I. Gorokhovskii, Yu. N.
- II. Levina, V. V.
- III. Popova, K. B.
- IV. ATS-60P59R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Protas, I. R. and Pruss, P. Kh.
CONCERNING THE DEPENDENCE OF THE RESOLV-
ING POWER OF AN EMULSION LAYER ON ITS
THICKNESS. [1963] 5p. 7 refs.
Order from OTS or SLA \$1.10

63-16633

Trans. of Zhurnal Nauch[not i] Priklad[not i] Fot[o-
grafi i] Kinoem[ografti] (USSR) 1961, v. 6, no. 4,
p. 294-296.

DESCRIPTORS: *Photographic emulsions, Thickness,
Resolution, Silver compounds, Halides, Optical images,
Films, Photographic film.

(Materials--Photographic, TT, v. 10, no. 8)

63-16633

I. Protas, I. R.
II. Pruss, P. Kh.

Office of Technical Services

Investigation of the Nature of the Concentration
Effect in Optical Sensitization, by A. V. Borin,
Z. V. Kharitonova, P. I. Logak, 3 pp.

RUSSIAN, per, Zhur Nauch. Prikl. Fotografii i
Kinematografii, Vol VI, No 4, 1961, pp 298-299.

CIA FDD XX-1332
NO FOREIGN DISSEM

Sci - Phys
6 Mar 1963
USIB INTERNAL USE ONLY

223,994

New Version of Electrophotographic Process, by I.
I. S. Zheludev.

RUSSIAN, per, Zhur Nauch Prikl Fotograf
Kineematograf, Vol VI, No 4, 1961,
pp 300-301.

NLL Ref: 5828.4 1964 (10,497) (loan copy)

Sci

Aug 64

The Localization of Topochemical Transformations
During Accelerated Aging of Photographic
Emulsions, by L. P. Melnichuk
RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii, Vol 6, 1961,
pp 301-304.
NTC-71-10727-14E

Nov 71

The Relationship of Latent Image Stability
to Certain Photographic Emulsion Properties, by
V. I. Sheberstov.

RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii, Vol 6, No 5, 1961,
pp 304-305.

NTC-70-13180-14E

Feb 72

A Study of Dye Adsorption on Silver Halides in the
Range of Low Degree of Surface Saturation, by S. M.
Solov'yev, N. I. Rodionova, 14 pp.

RUSSIAN, per, Zhur Nauch Prikl Fotograf Kinematog,
Vol VI (5), 1961, pp 323-333.

CIA/FID XI-1231

NOT RELEASABLE TO FOREIGN NATIONALS

OTS 68-20132

Sci

211, 437

Aug 62

USIB INTERNAL USE ONLY

The Determination of the Optimal Frame Frequency
for High Speed Cinematography, by V. I. Lavrent'ev,
S. P. Podval'nyi.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i
Kinematografii, Vol VI, No 5, pp 349-352.

1961
NLL M 509J.

Sci - Phys
May 63

The Effect of Sulfite on the Activity of Color
Couplers and the Yield of Dyes in Color Development,
by V. I. Uspenskiy, N. I. Rodionova, 6 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematograf, Vol VI, No 5, 1961, pp 358-362.

CIA/FDD XX-1291

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

ATS-13 P612

Nov 62

ATS-RS-3752

OTS 63-16709

USIB INTERNAL USE ONLY

216,243

An Electrolytic Method of Developing Photographic
Films, by N. M. Zyuskin, 5 pp.

1

RUSSIAN, per, Zhur Nauch Prik Potograf i Kinematograf,
Vol VI, No 5, 1961, pp 363-366.

CIA/FDD XX-1292

NOT RELEASABLE TO FOREIGN NATIONALS

Sci
Nov 62

OTS 62-18582

USIB INTERNAL USE ONLY

216,244

S. D. Kirlyan

Photography and Visual Observation by Means
of High-Frequency Currents.

RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii, Vol 6, 1961, pp 397-
403.

NTC 72-13607-14E

REC-50/T-71-3018 -F10-TT-62-1549

Nov 72

227062

Improvements in the Method of Coating and the Quality
of Electrophotographic Materials, by K. A. Ramazanov,
12 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf Kineastog,
Vol VI (6), 1961, pp 440-447.

CIA/FDD XX-1232

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

211, 438

Aug 62

OTS 62-18591

USIE INTERNAL USE ONLY

OTS 62-18591

Optical Properties of Interference Films Used for
Increasing the Transmittance of Light, by T. N. Krylova,
26 pp.

RUSSIAN, par, Zhurn Nauch i Prikl Fotograf i Kinematog,
Vol VI (6), 1961, pp 462-475.

CIA/FDD XI-1236
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

211,260

Aug 62

173 62-15578

USIB INTERNAL USE ONLY

Unc1 (RFP-TRANS-73) SCIENTIFIC AND APPLIED PHOTO-
GRAPHY AND CINEMATOGRAPHY. Kirlean, S. D.; Kirlean,
V. Kh. Translated From Zh. Nauch. Prikl. Fotogr. Kinema-
togr.; 6: 9(1961). Nov/Dec 1961. 18p.

physics; translations

ND-2 P RC

Unlimited

Reciprocity of Time and Intensity of an Electron
Beam When MK- and MR- Type Photographic Plates
Are Exposed, by I. A. Fomins, K. S. Bogomolov.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i
Kinematografii, Vol V, 1962, pp 293-294.

NLL M 8937

Sci - Phys
May 63

Effect of Some Chemicals on Photodichroism, by
Yu. A. Izumishchevich, 12 pp.

RUSSIAN, per, Zhur. Nauch. i Prikl. Fotog. i Kinetematog,
Vol VII, No 1, 1962, pp 20-25.

ILL Ref: 5820.4 1963 (10 401)
(Loan)

(TS) (S-13) 127

Sci - Physics
Oct 63

Dependence of the Amount of Reduced Silver in a
Developed Emulsion Upon the pH Value of Developer,
by G. P. Fayerman, N. N. Shishkina, 5 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinemat-
ograf, Vol # VII, No 1, 1962, pp 26-~~28~~ 29.

CIA/FDD XX-1293

NOT RELEASABLE TO FOREIGN NATIONALS

Sci
Nov 62

OTS 62-18585

USIB INTERNAL USE ONLY

216,245

Activation Energy of Thermal Decay of Latent Image
Centers as a Function of the Number of Atoms, by A. L.
Kartunhanskiy, 5 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinesmatog,
Vol VII (1), 1962, pp 57-58.

CIA/VID XX-1241

NOT RELEASABLE TO FOREIGN NATIONALS

OTS 62-18586

211, 431

Sci

Aug 62

USIB INTERNAL USE ONLY

Some Problems in Developing Electrophotographic
Layers, by K. M. Vinogradov, 2 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinematog,
Vol VII, No 1, 1962, pp 59-60.

CIA/FDD XX-1192

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Jun 62

USIB INTERNAL USE ONLY

Change in the Amount of Developed Silver Depending
Upon the Potential Difference and Upon the Development
Time, by N. N. Shishkina, 3 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinematog,
Vol VII (1), 1962, pp 61-62.

CIA/FDD XX-1233

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Aug 62

USIB INTERNAL USE ONLY

203,356

Contact Screens Prepared on a Photographic Film
Consisting of Two Layers, by K. R. Yanson, 2 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinematog,
Vol VII, No 1, 1962, pp 62-64.

CIA/FDD XX-1193

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jun 62

USIB INTERNAL USE ONLY

Parallel Characteristics Between the Photographic Activity of Benzothiazolotetrazole Derivatives and Their Adsorption on Emulsion Grain Surface, by B. M. Ivanov, 4 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinematog, Vol VII (1), 1962, pp 64-66.

CIA/PDD XX-1242

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

2.11. 430

Aug 62

USIS INTERNAL USE ONLY

METHOD FOR MEASURING SPECTRAL ABSORPTION OF EMULSION
LAYERS, BY P. V. MEYKLYAR, M. Z. PESKOVA, 4 PP.

RUSSIAN, PER, ZHUR NAUCH I PRIK FOTOGRAF I KINEMATOG,
VOL VII, NO 1, 1962, PP 66-67.

CIA/FDD XX-LL97
NOT RELEASABLE TO FOREIGN NATIONALS

SCI

JUN 62

USIB INTERNAL USE ONLY

201,506

Testing Photographic Materials for Microreproduction,
by E. A. Bukatin, 5 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematograf, Vol VII, No 1, 1962, pp 68-69.

CIA/FDD XX-1294

NOT RELEASABLE TO FOREIGN NATIONALS

Sci
Nov 62

USIB INTERNAL USE ONLY

216,246

[CP-1000]

Photographic Education in Colleges and Universities, by Yu. N. Gorokhovskiy, 4 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i Kinetograf, Vol VII, No 1, 1962, pp 76, 77.

JPRS 13812

Sci - Phys
May 62

198,576

Adsorption of Dyes on Silver Halide, Part II.
Desorption of Dyes From Agbr Surface, by S. M.
Solov'yev, N I. Rodionova, 6 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematograf, Vol VII, No 2, 1962, pp 81-85.

CIA/FDD XX-1295

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Nov 2 62

USIB INTERNAL USE ONLY

216,247

Hypersensitization of Very Fine-Grain Nuclear Emulsions
With Triethanolamine, by N. R. Novikova.

RUSSIAN, per, Zhur Nauch i Prikl Fotogi Khimichesk
Vol VII, No 2, 1962, pp 86-90.

ILL Ref: 5828.4 1963 (10 349)
(Loan)

OTS 63-16634

Sci - Physics
Oct 63

Comparison Standards for Graininess Measurements, by
Witold Romer, 5 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematograf, Vol VII, No 2, 1962, pp 91-95.

CIA/FDD XX-1296
NOT RELEASABLE TO FOREIGN NATIONALS

Sci
Nov 62

OTS 62-1887

USIB INTERNAL USE ONLY

216,248

Resolving Power of Thin Photographic Emulsions,
by I. N. Protas.

RUSSIAN, per, Zhur Nach i Fizik Fotografii i
Kinematografii, Vol VII, No 2, 1962, pp 96-102.

REL M 8912

Sci - Phys
May 63

229,128

Thermal Relationship of Photographic Development,
by V. I. Sheberstov, K. V. Vendrovskiy, 13 pp.

RUSSIAN, per, Zhur Nauch i Priklad Foto i Kinemato,
Vol VIII, No 2, 1962, pp 103-111.

CIA/FDD XX-1364
No Foreign Dissem

075 62-18128
075 62-18128 (8/60)

Sci - Physics

May 63

USIB Internal Use Only

229,119